

**Figure 1**

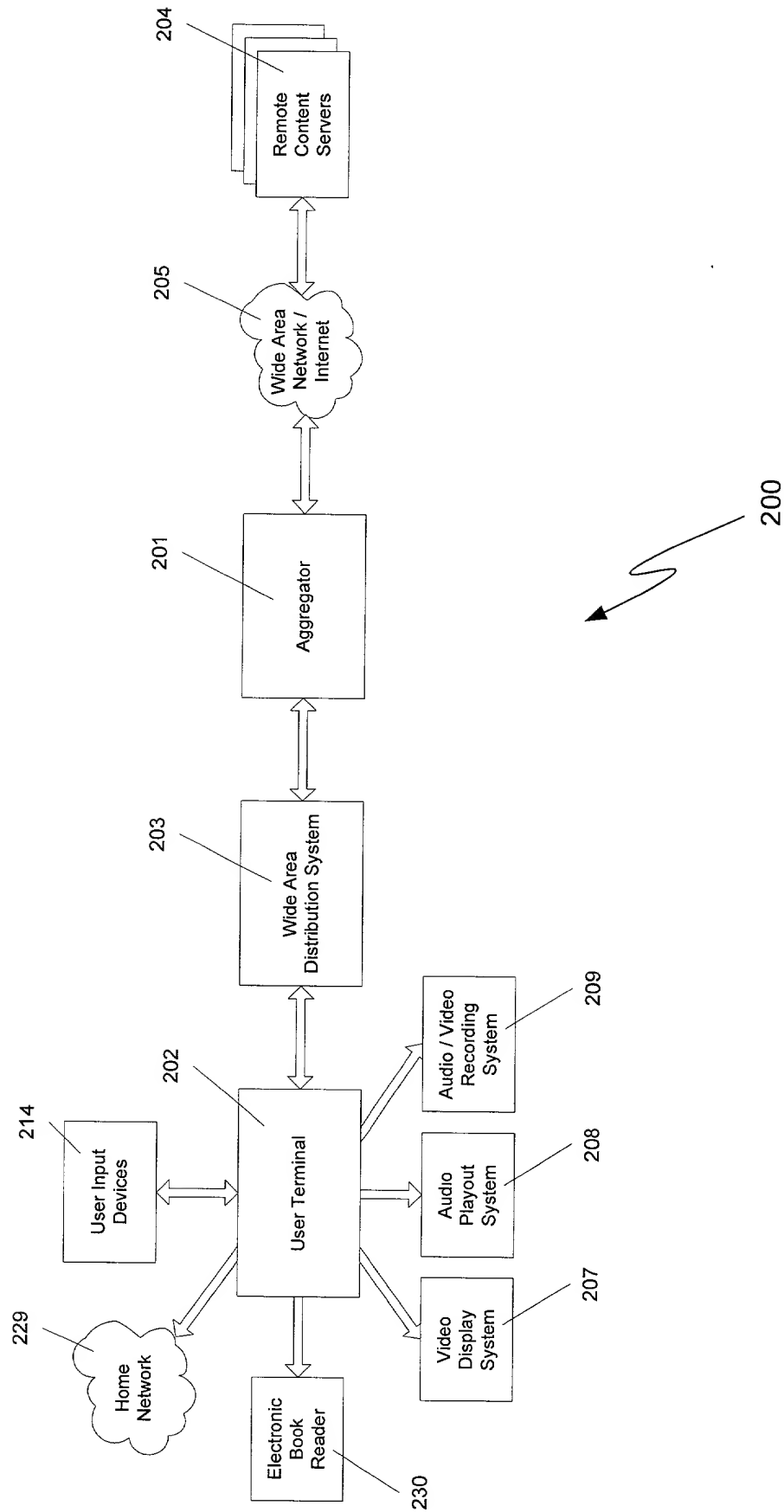
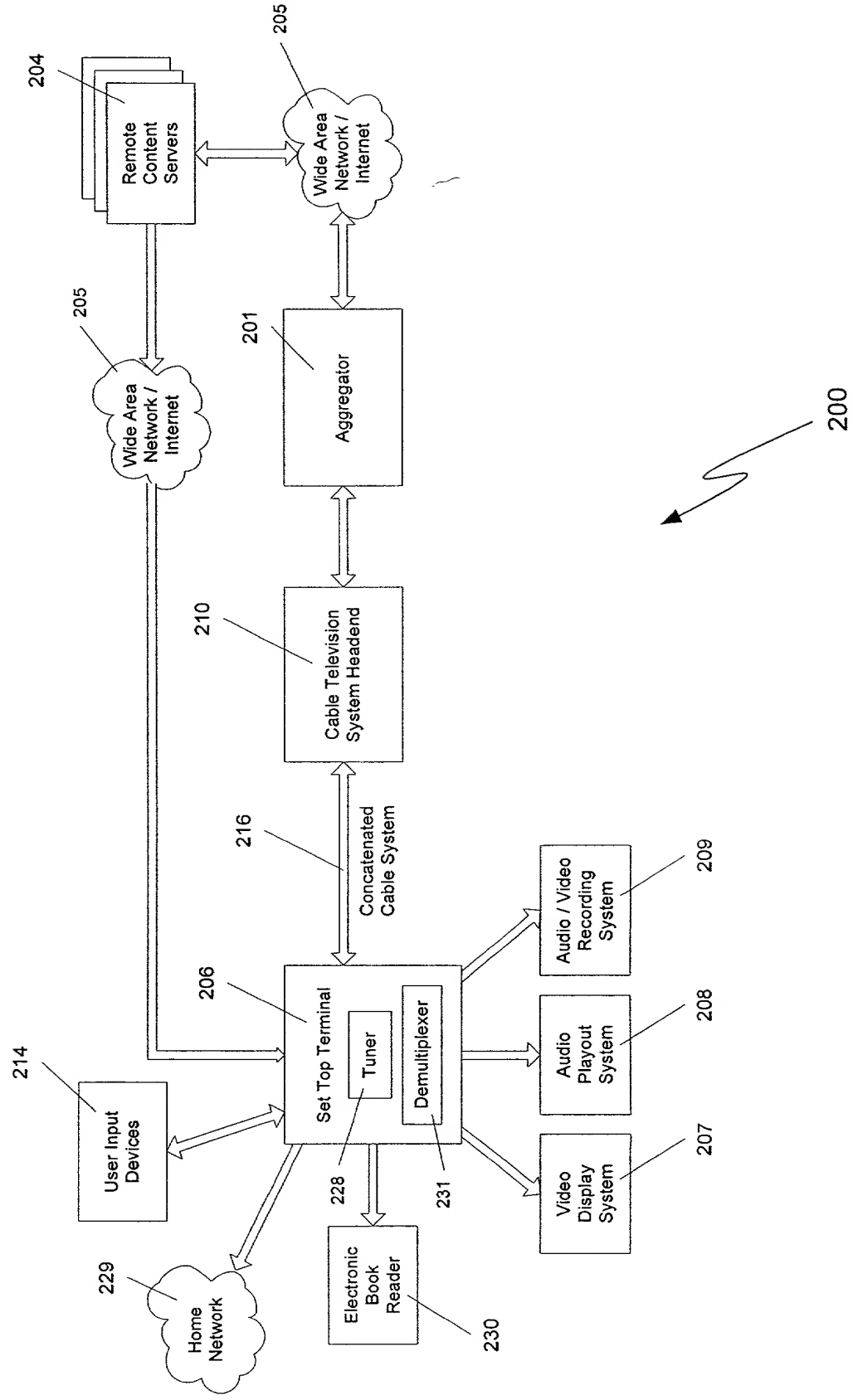
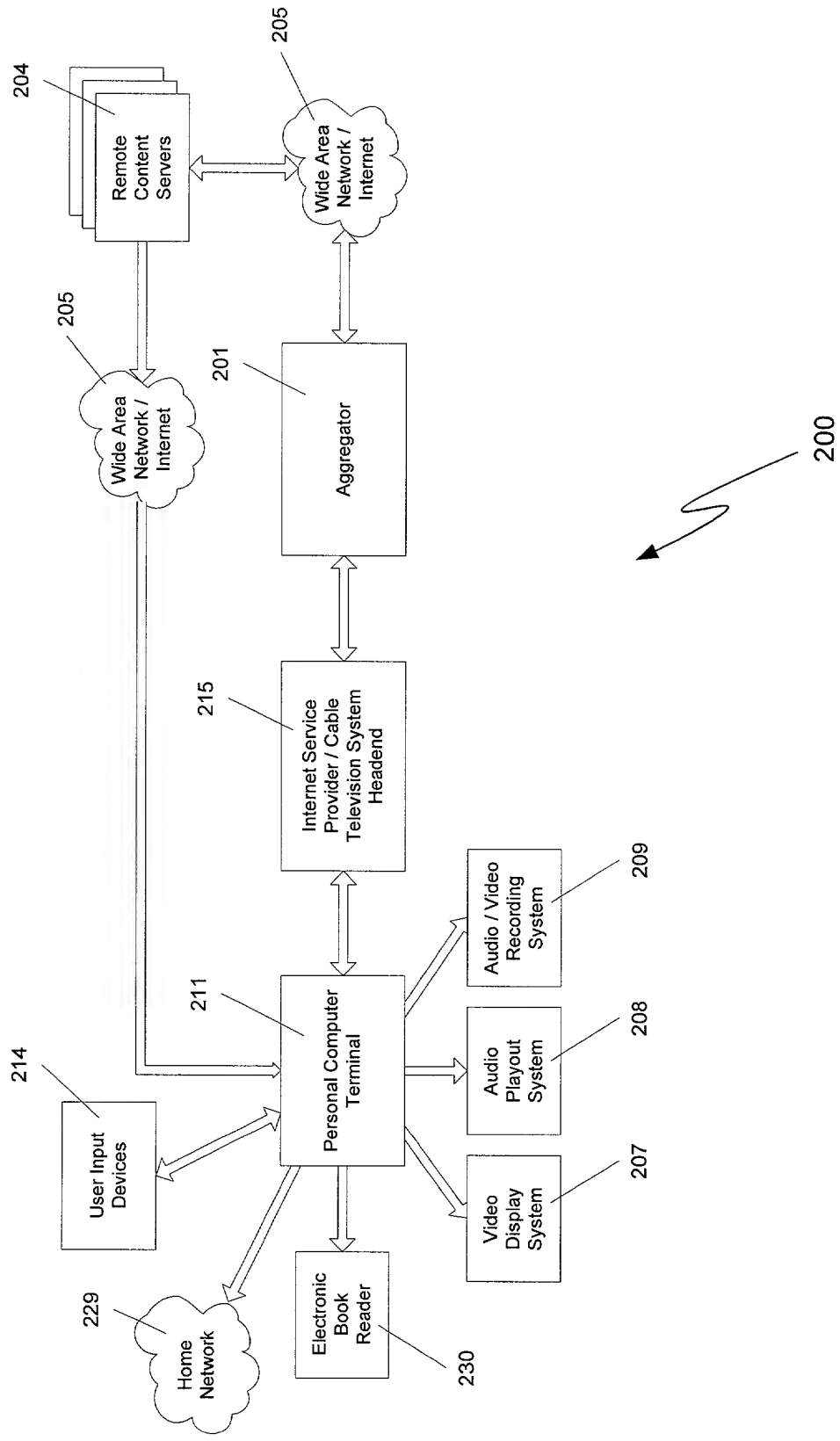


Figure 2

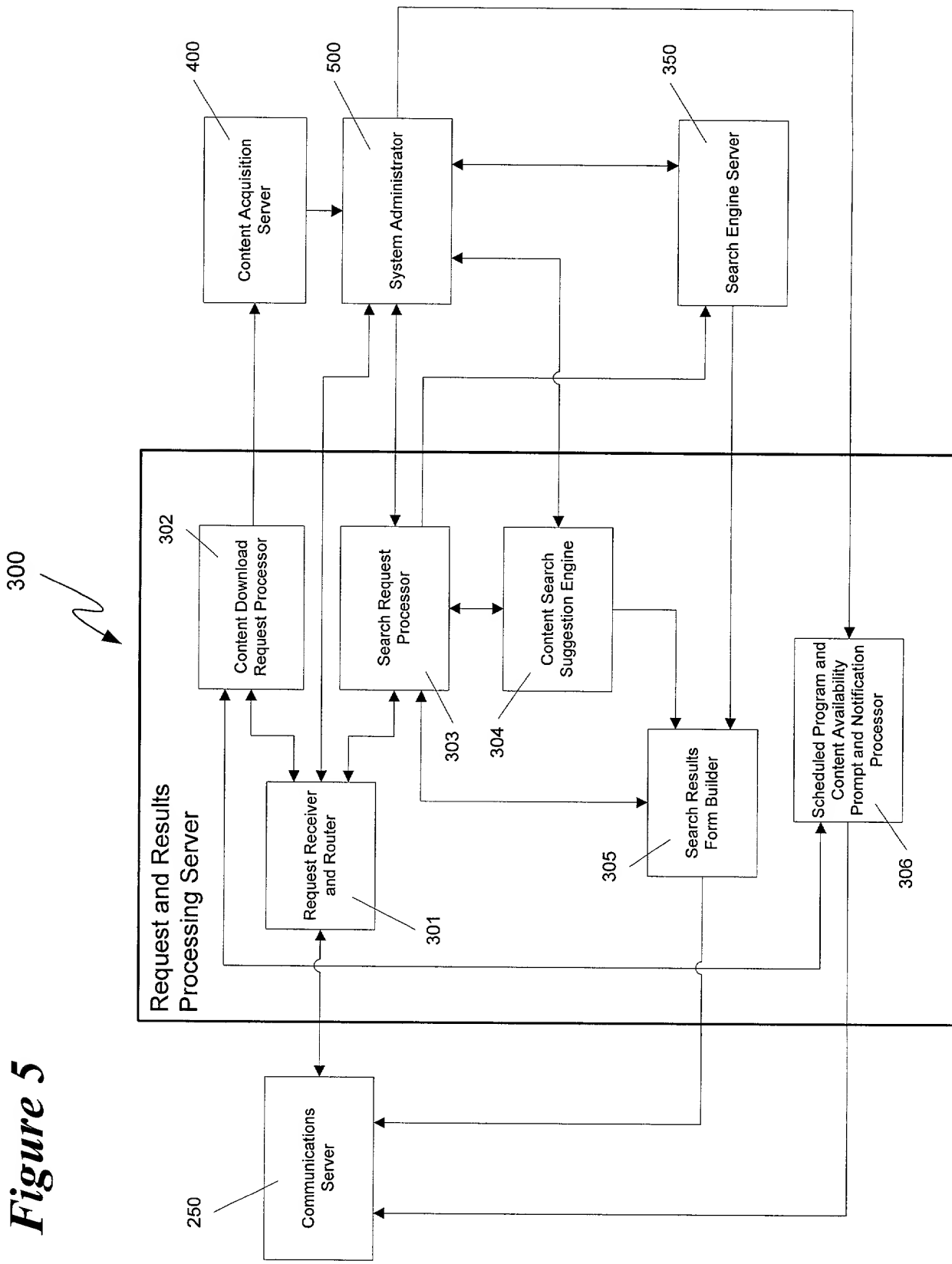


**Figure 3**



[illegible]

**Figure 5**



**Figure 6**

304

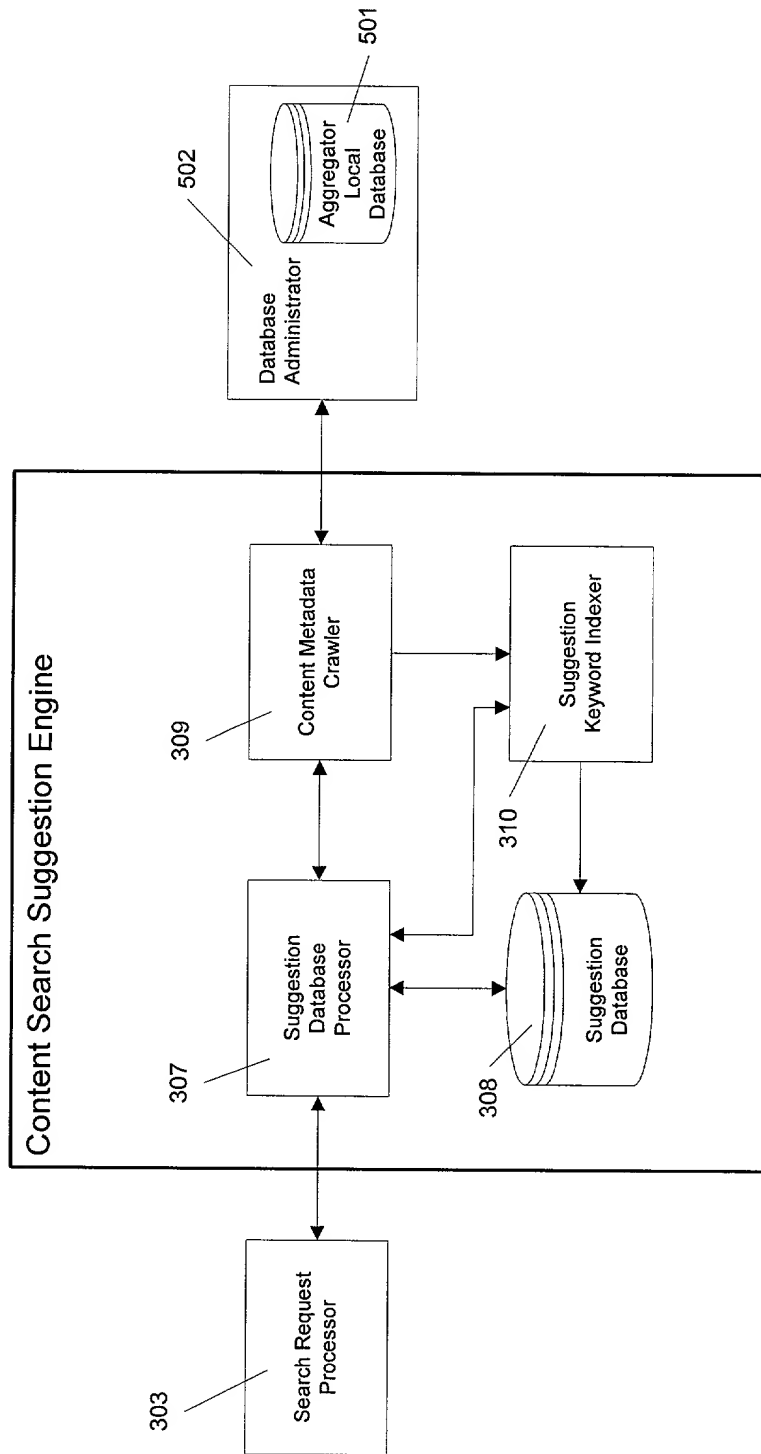
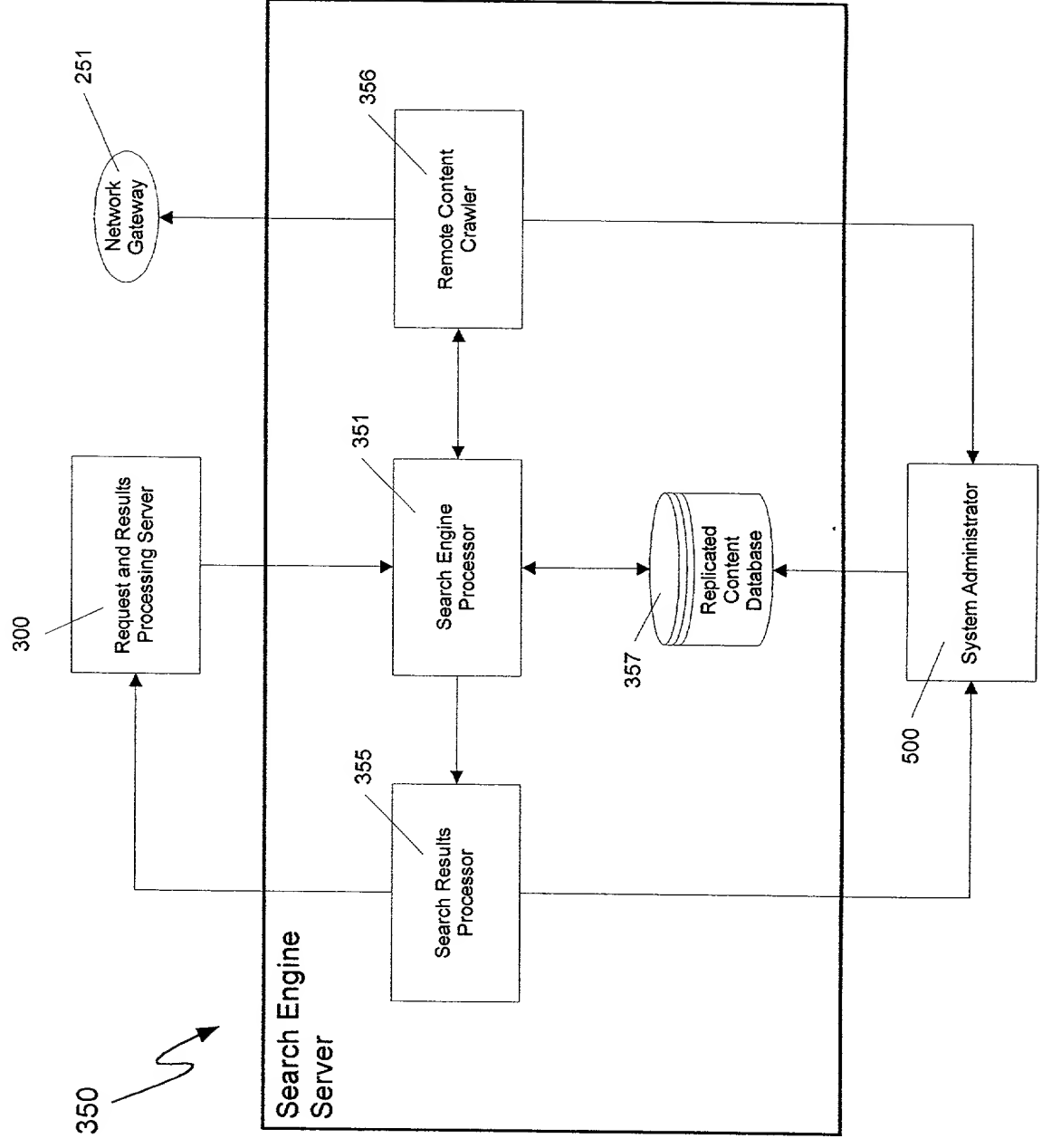
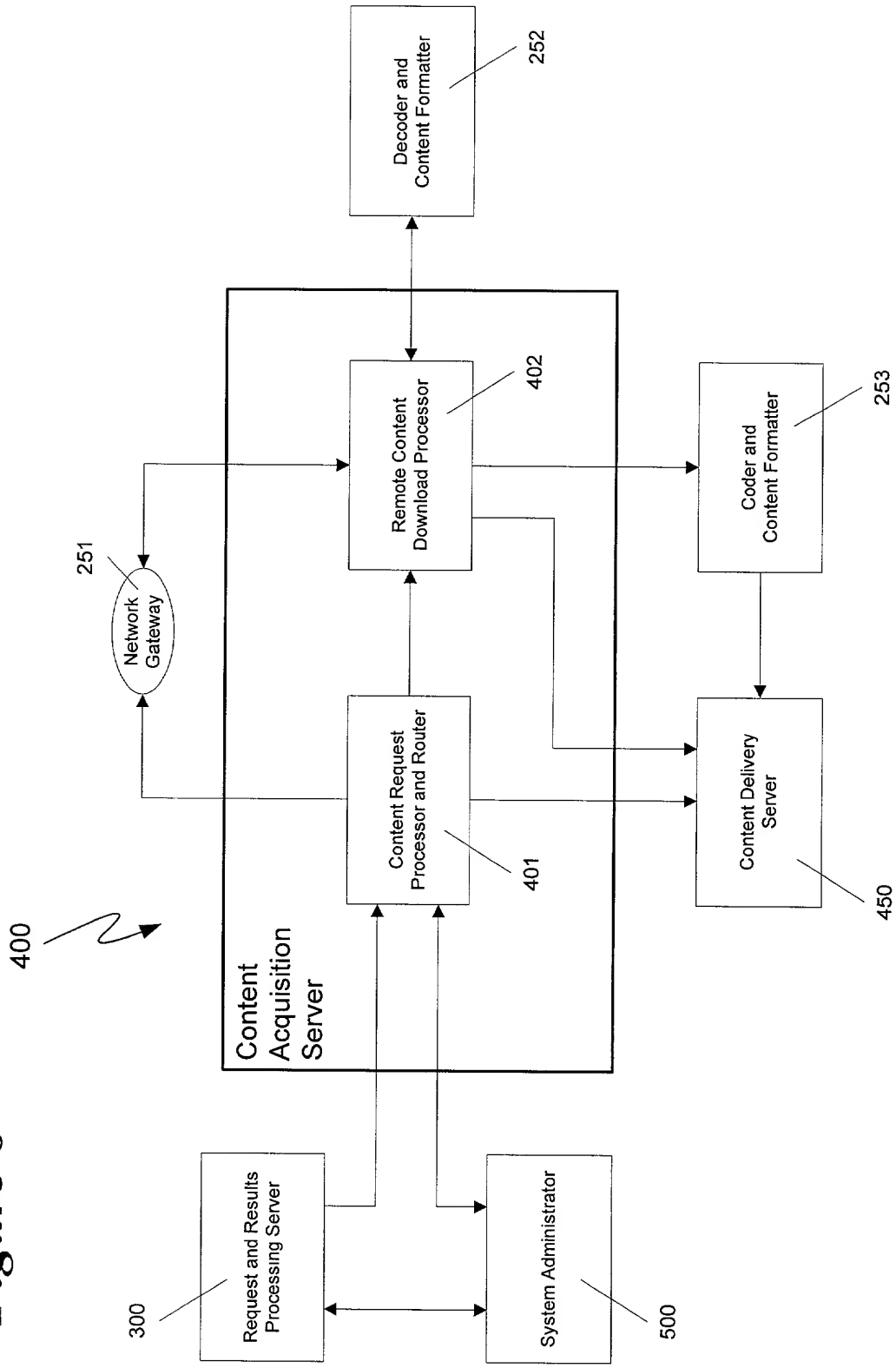


Figure 7

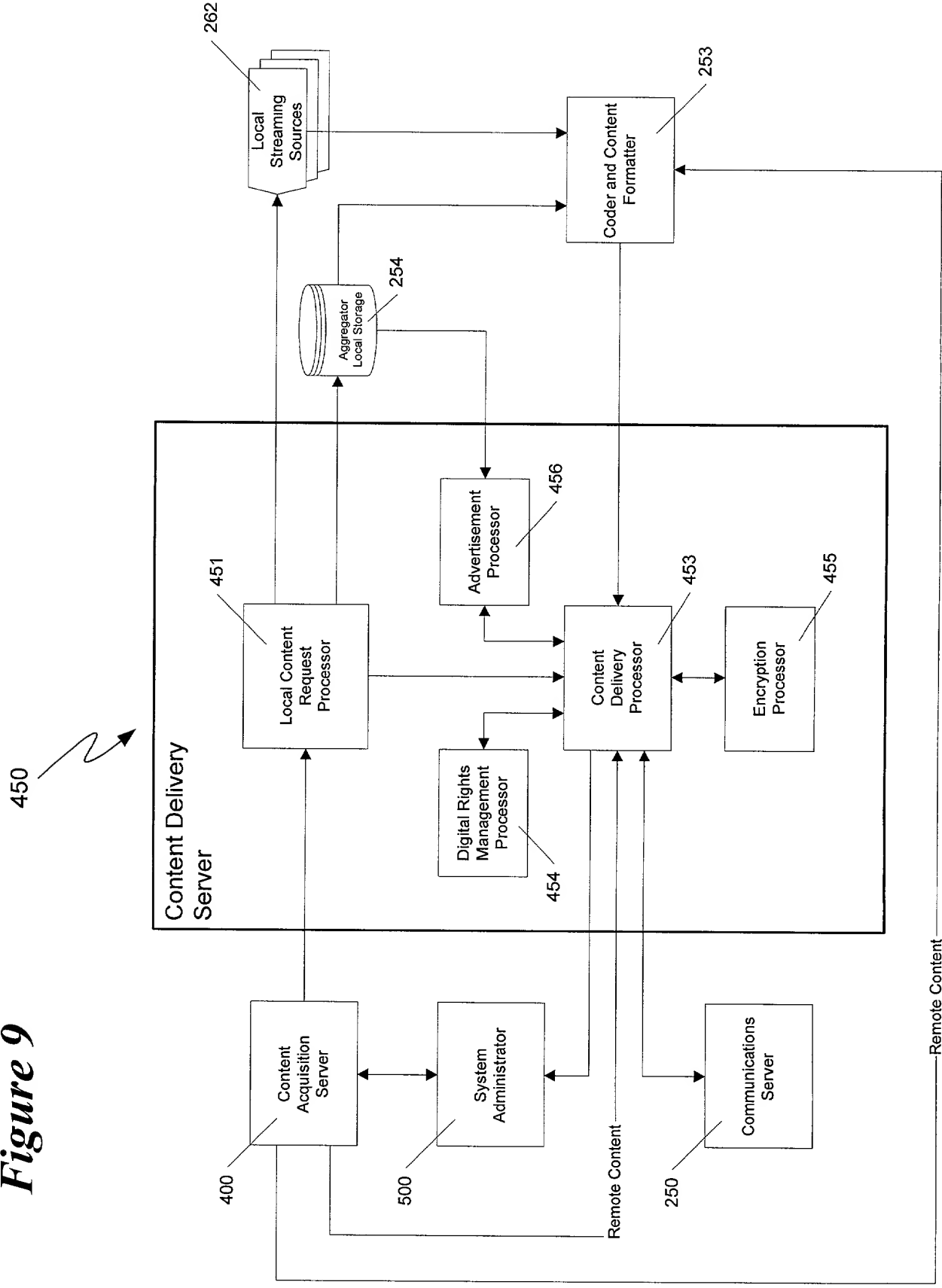


**Figure 8**

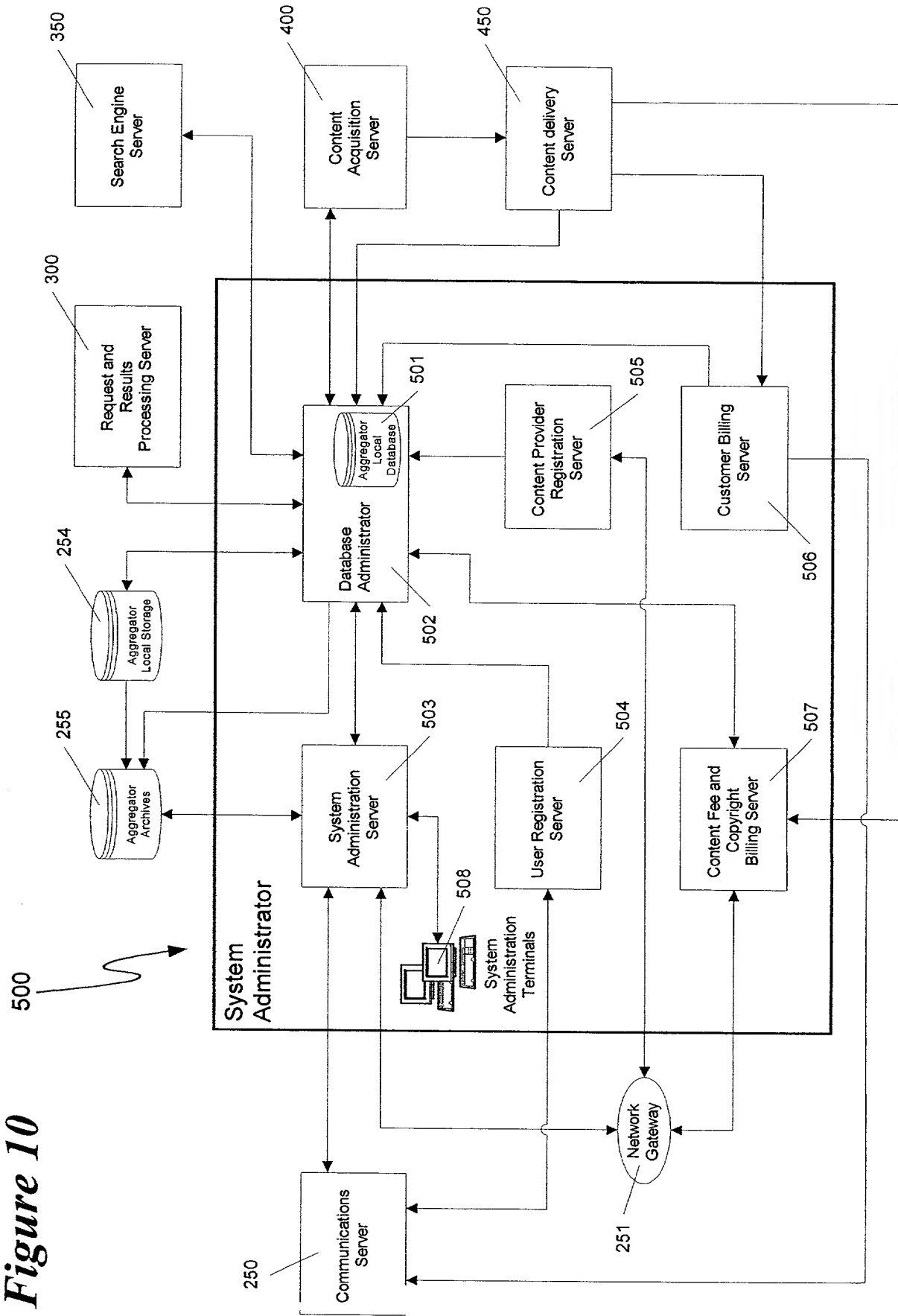




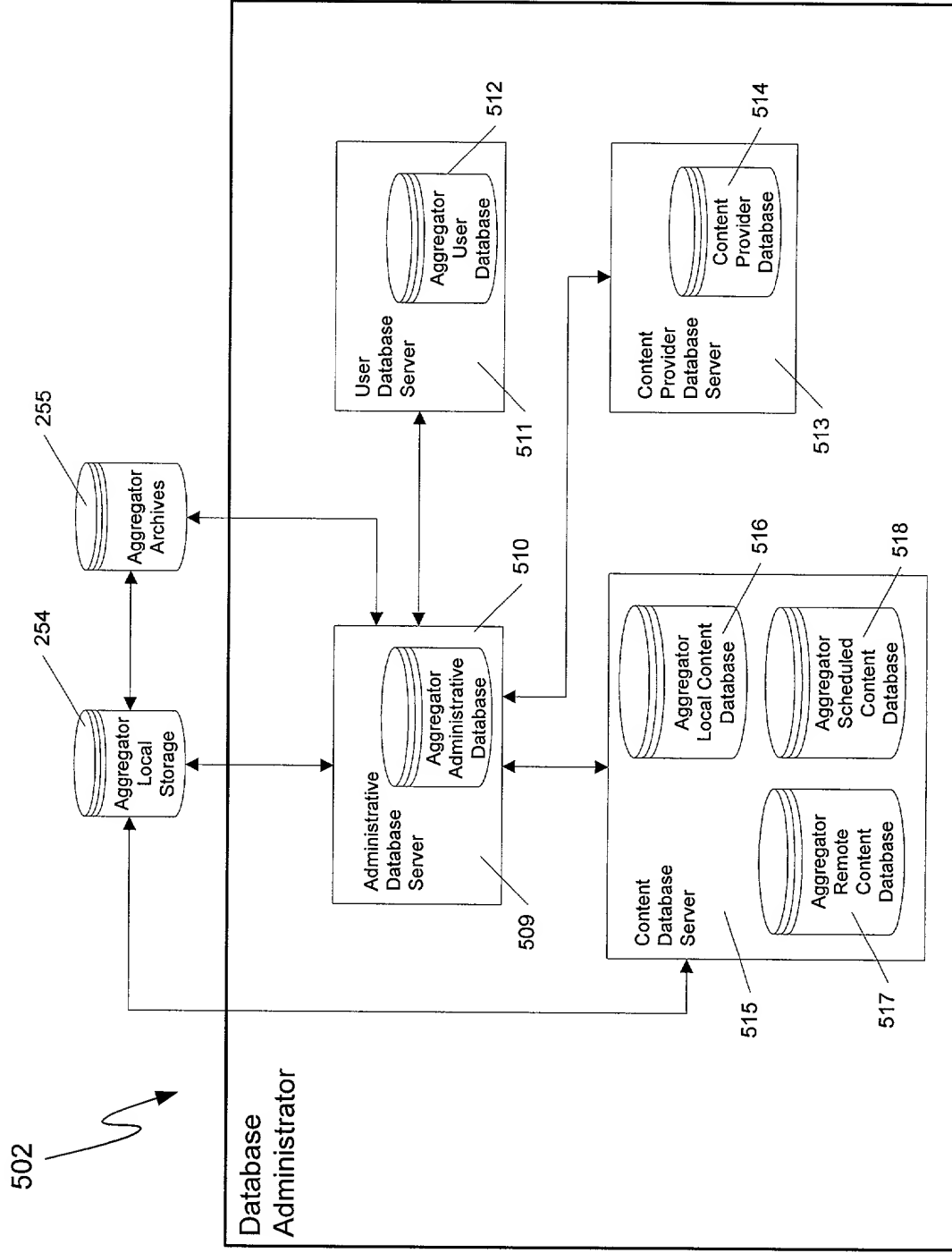
**Figure 9**



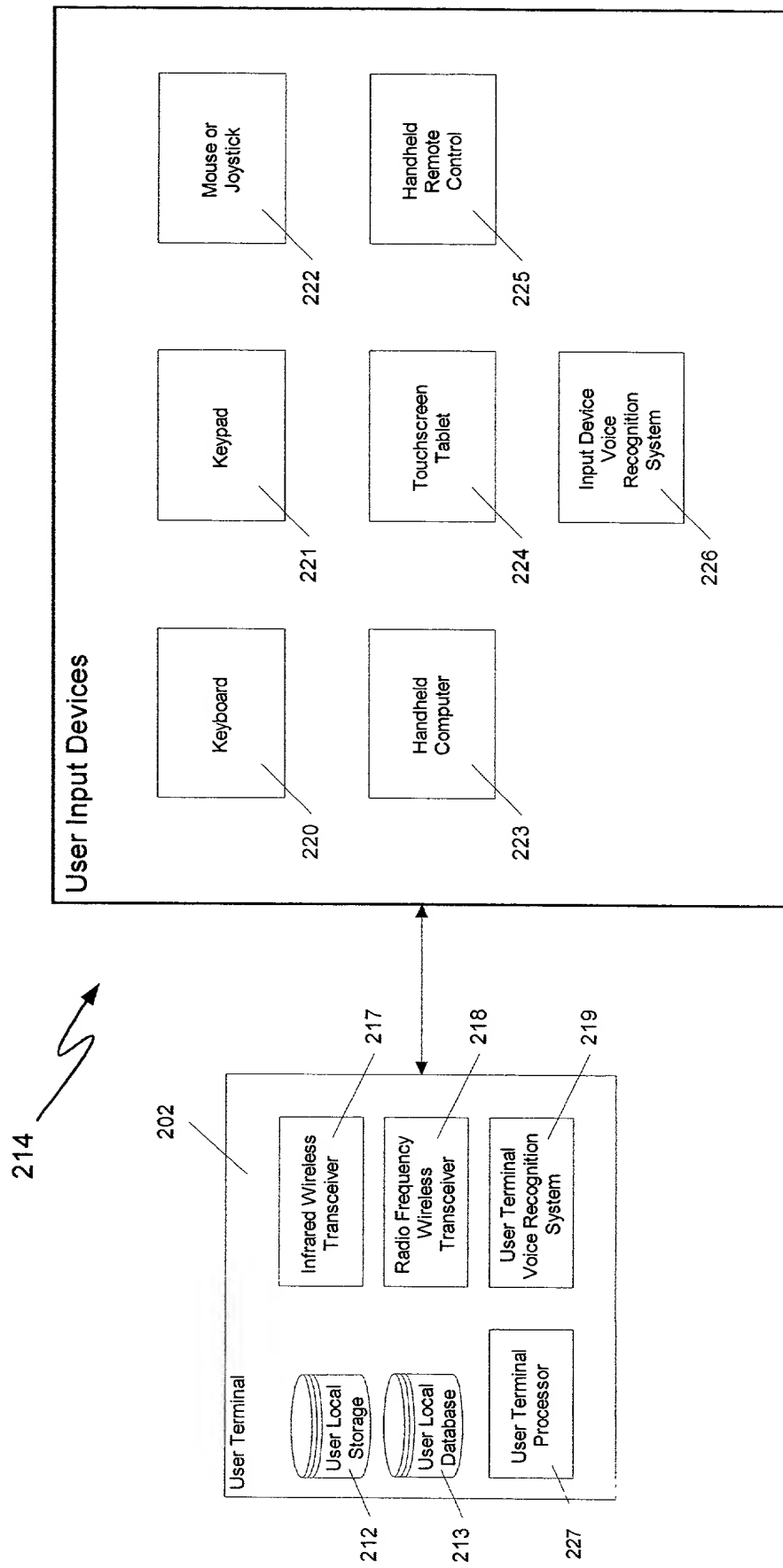
**Figure 10**



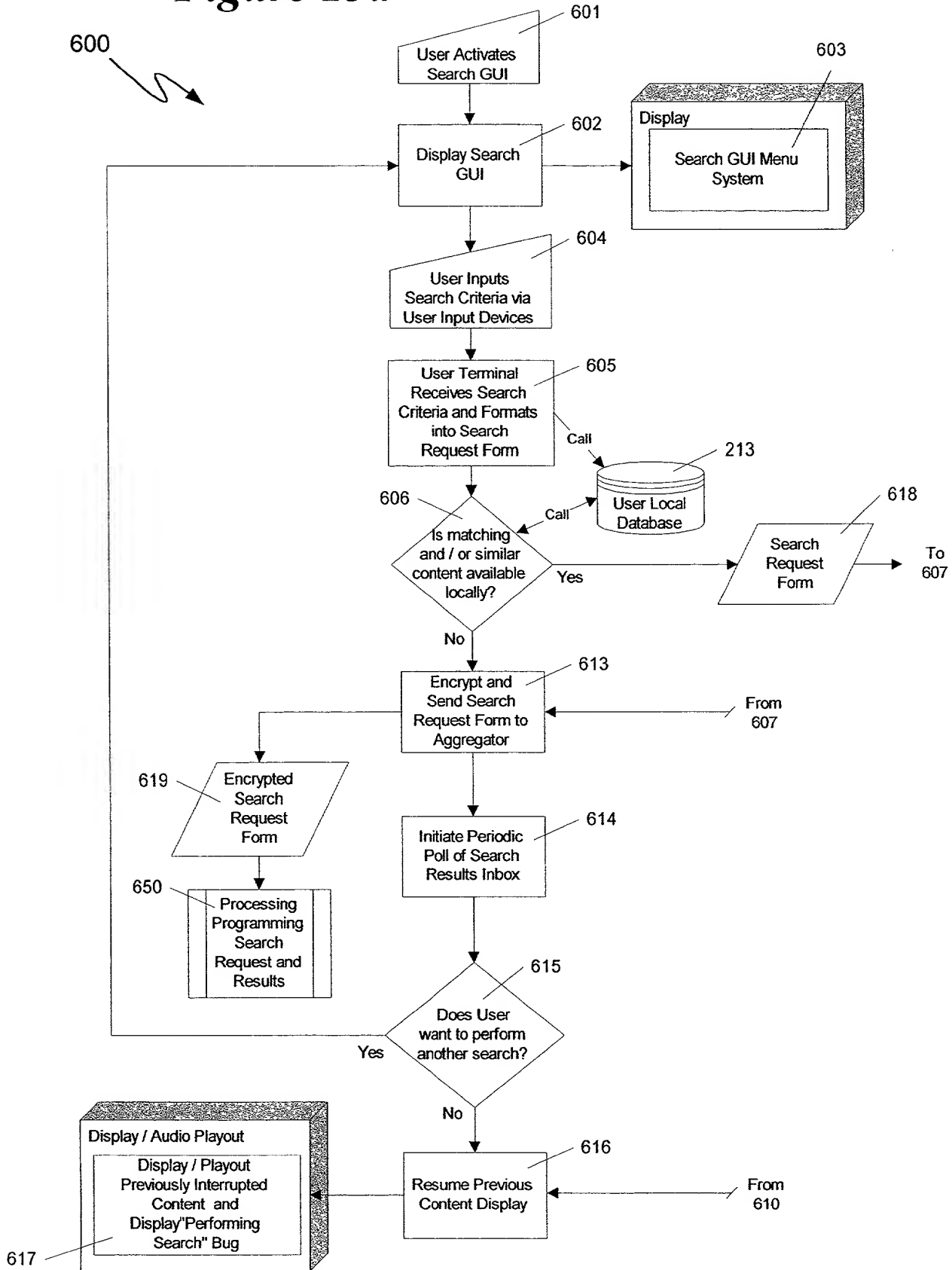
**Figure 11**



**Figure 12**

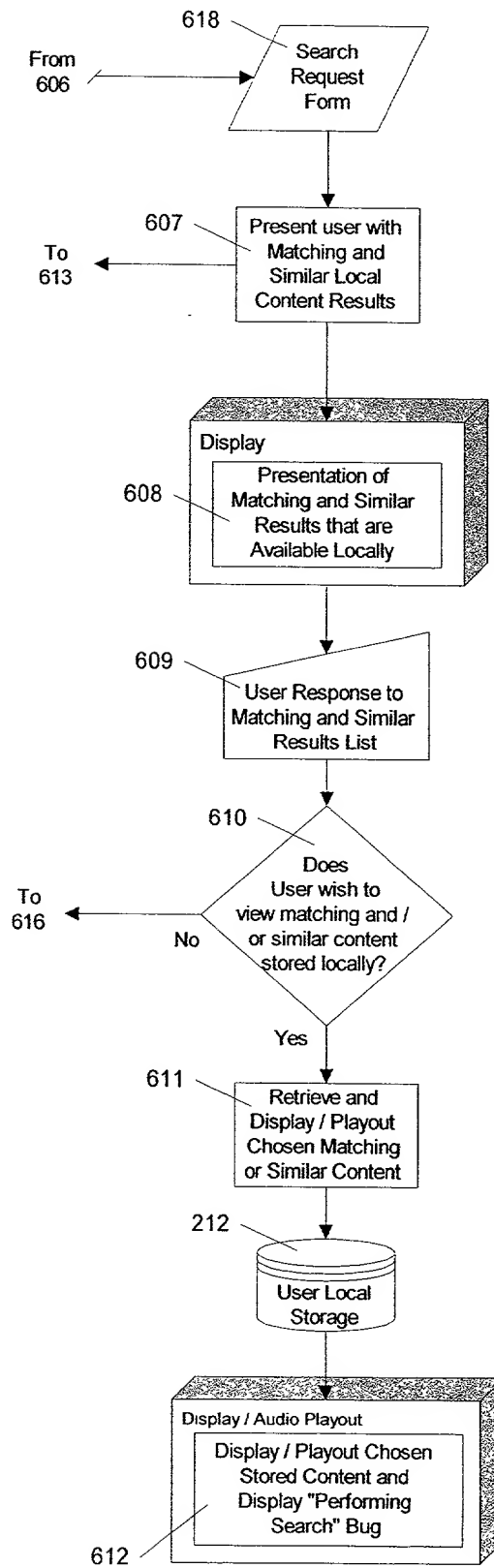


**Figure 13a**

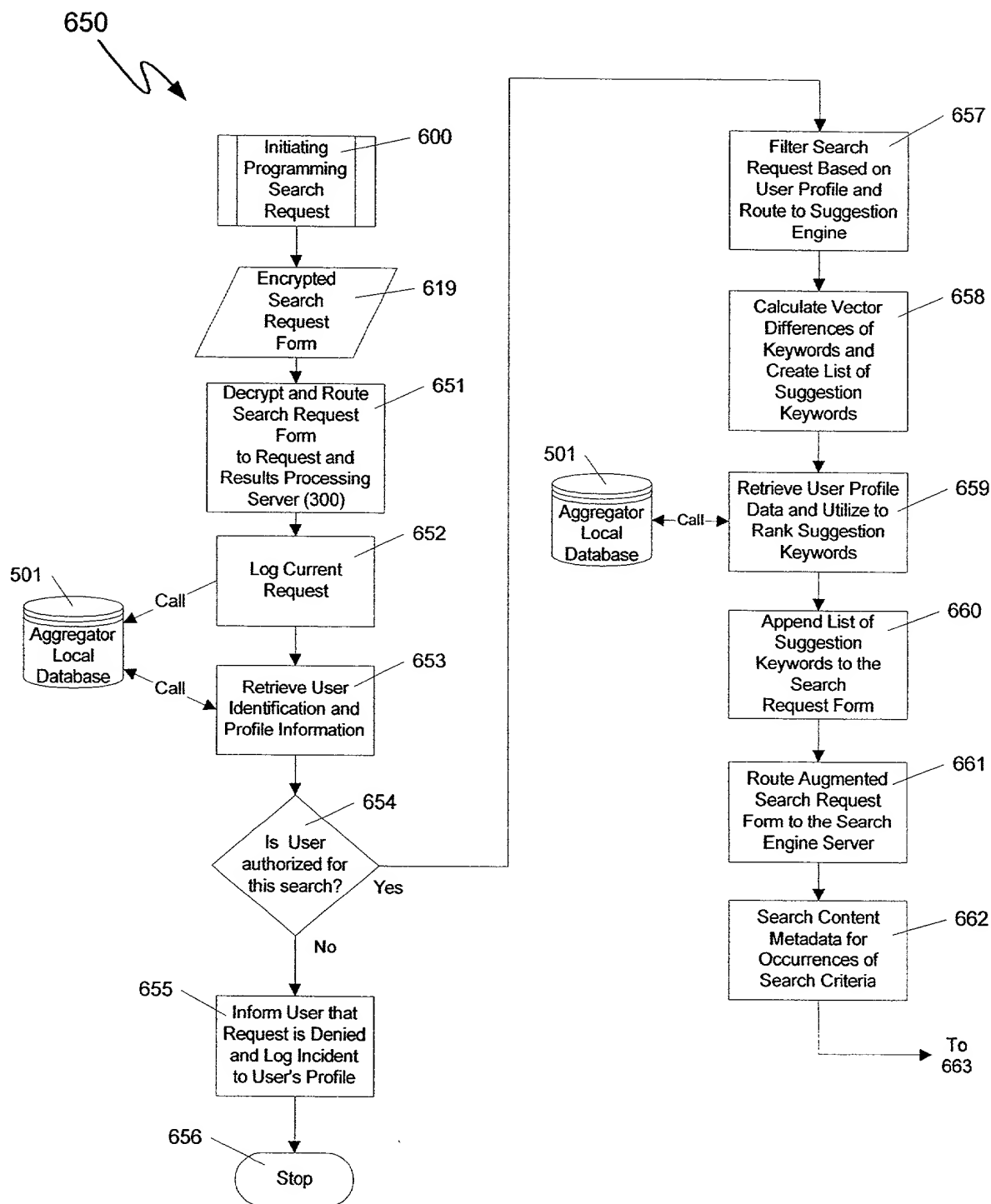


**Figure 13b**

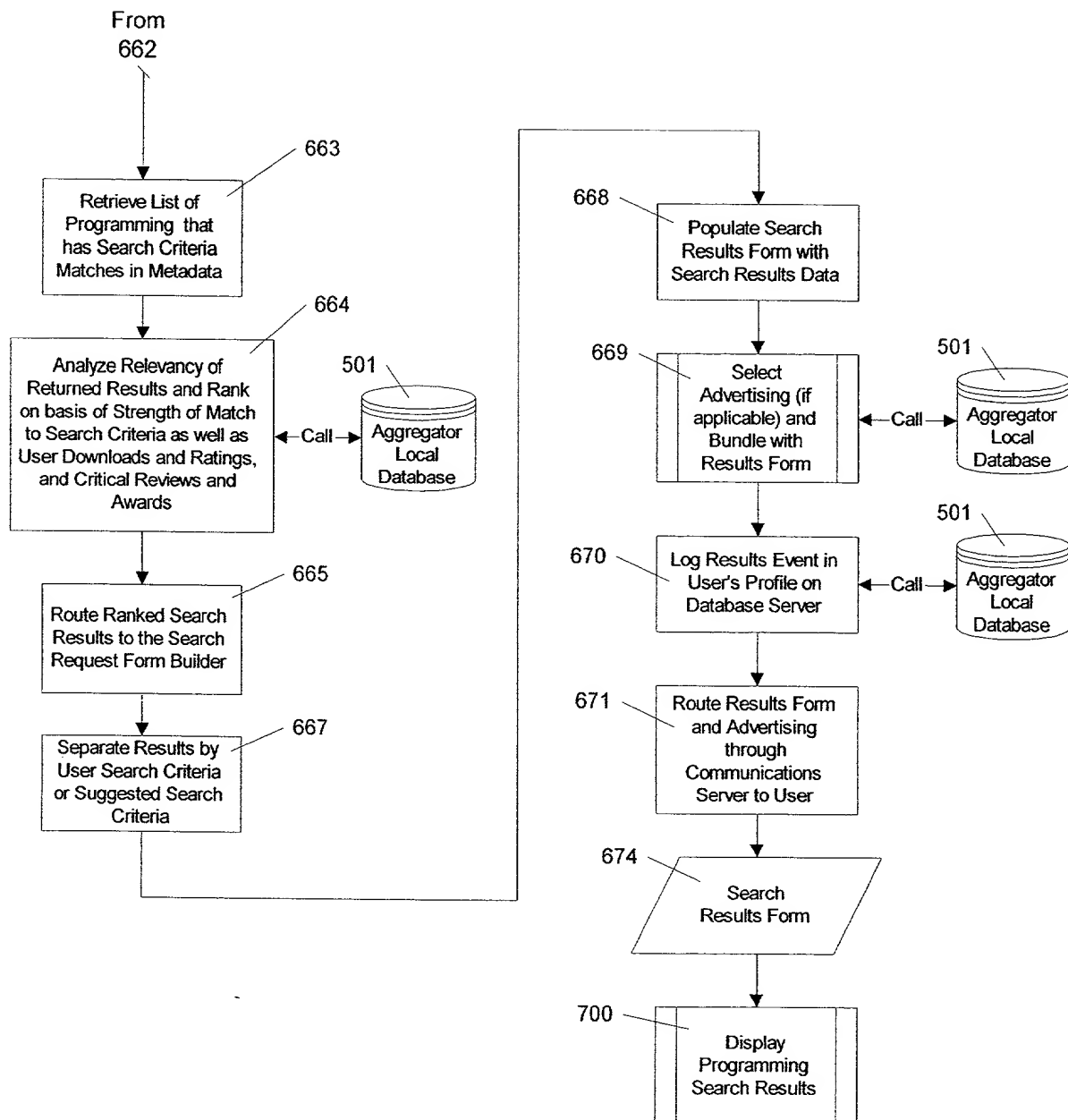
600



**Figure 14a**

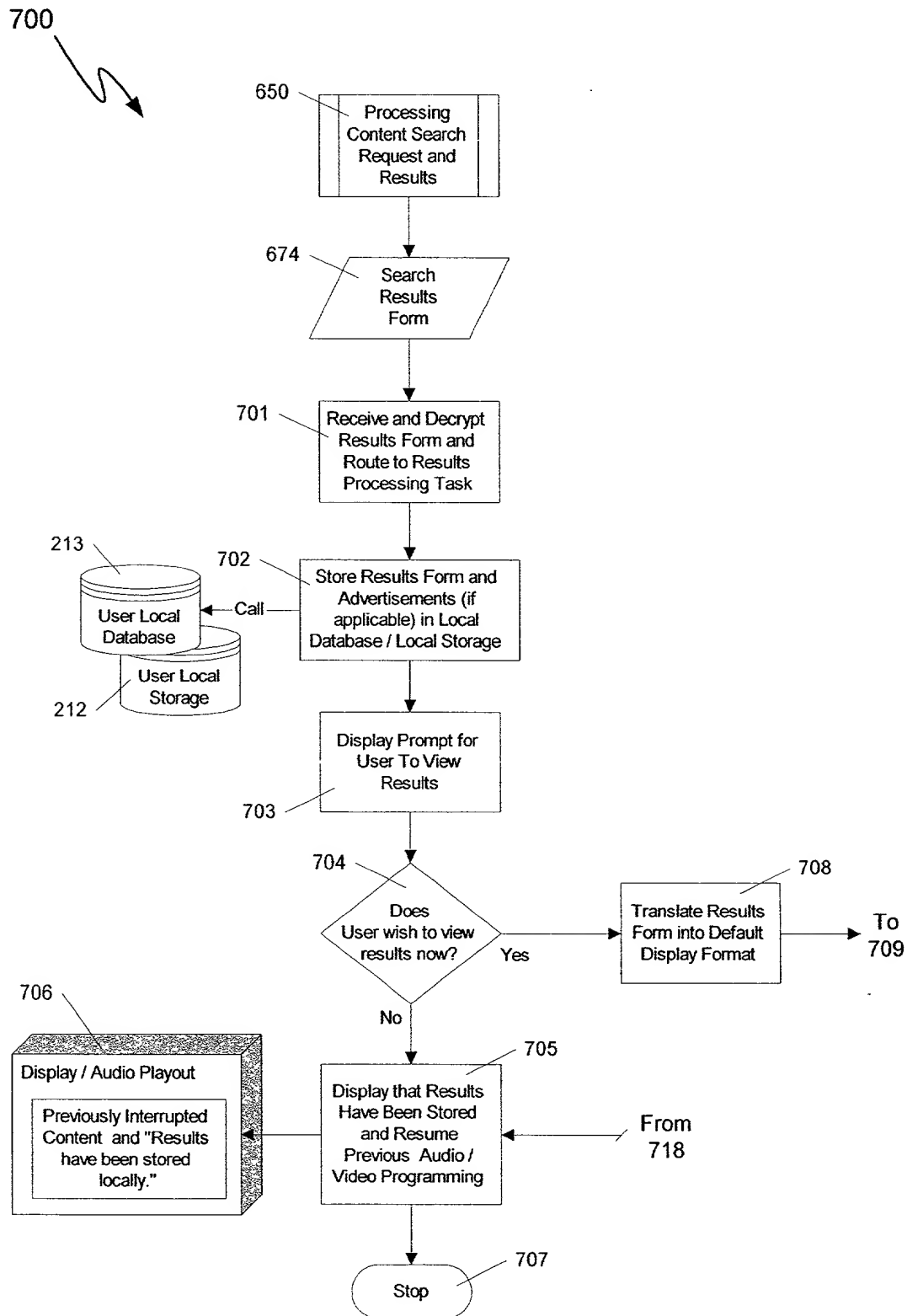


**Figure 14b**

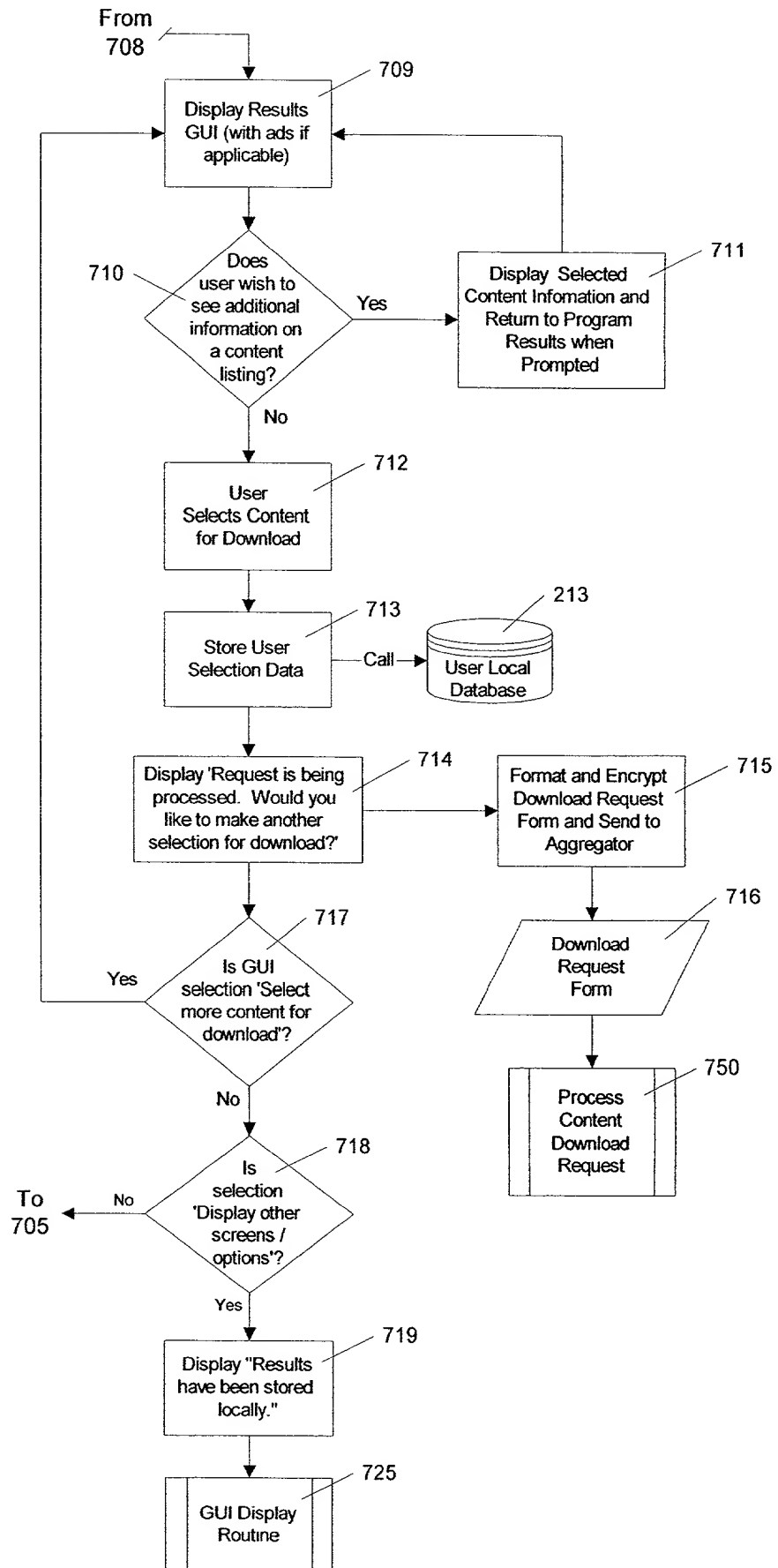




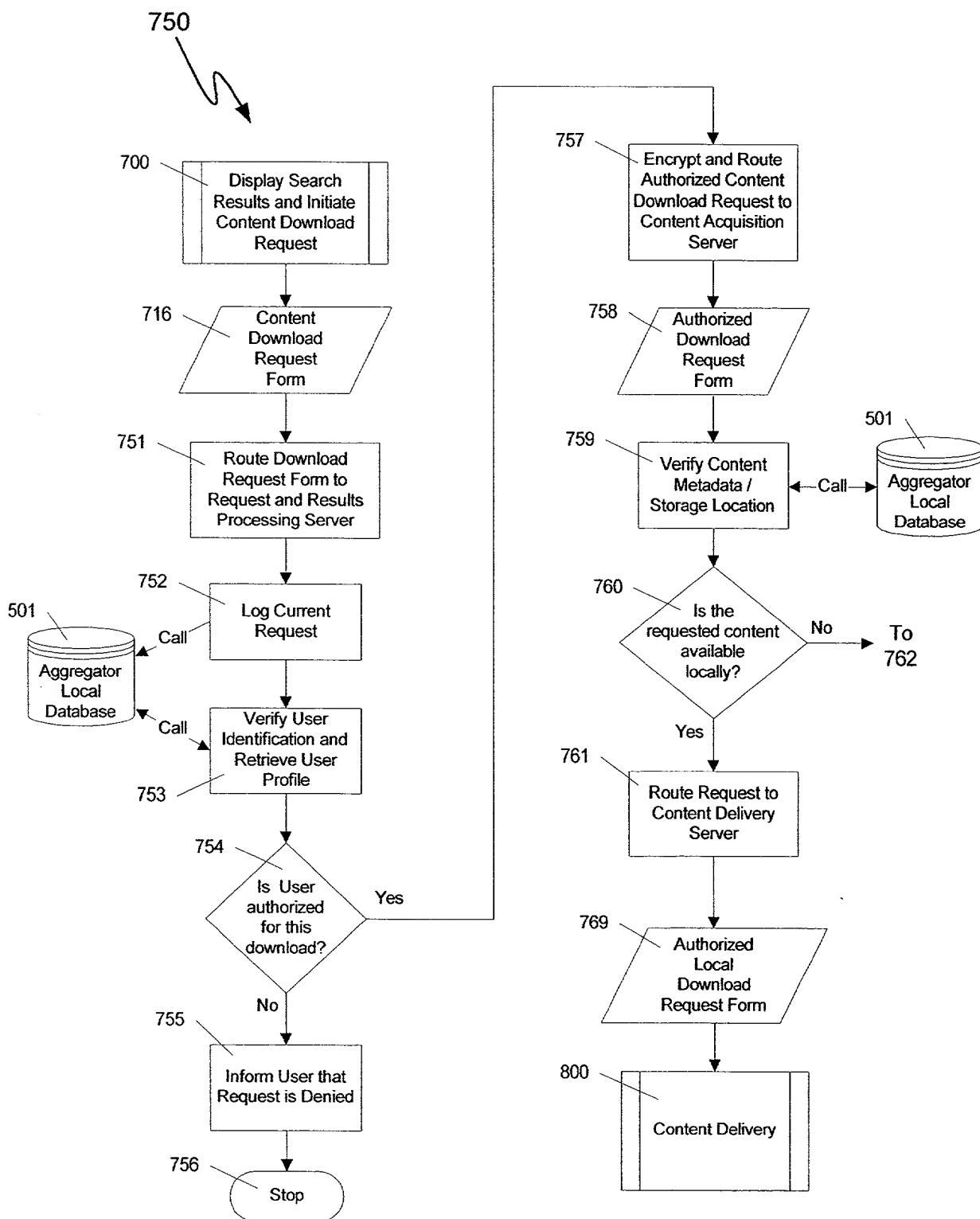
**Figure 15a**



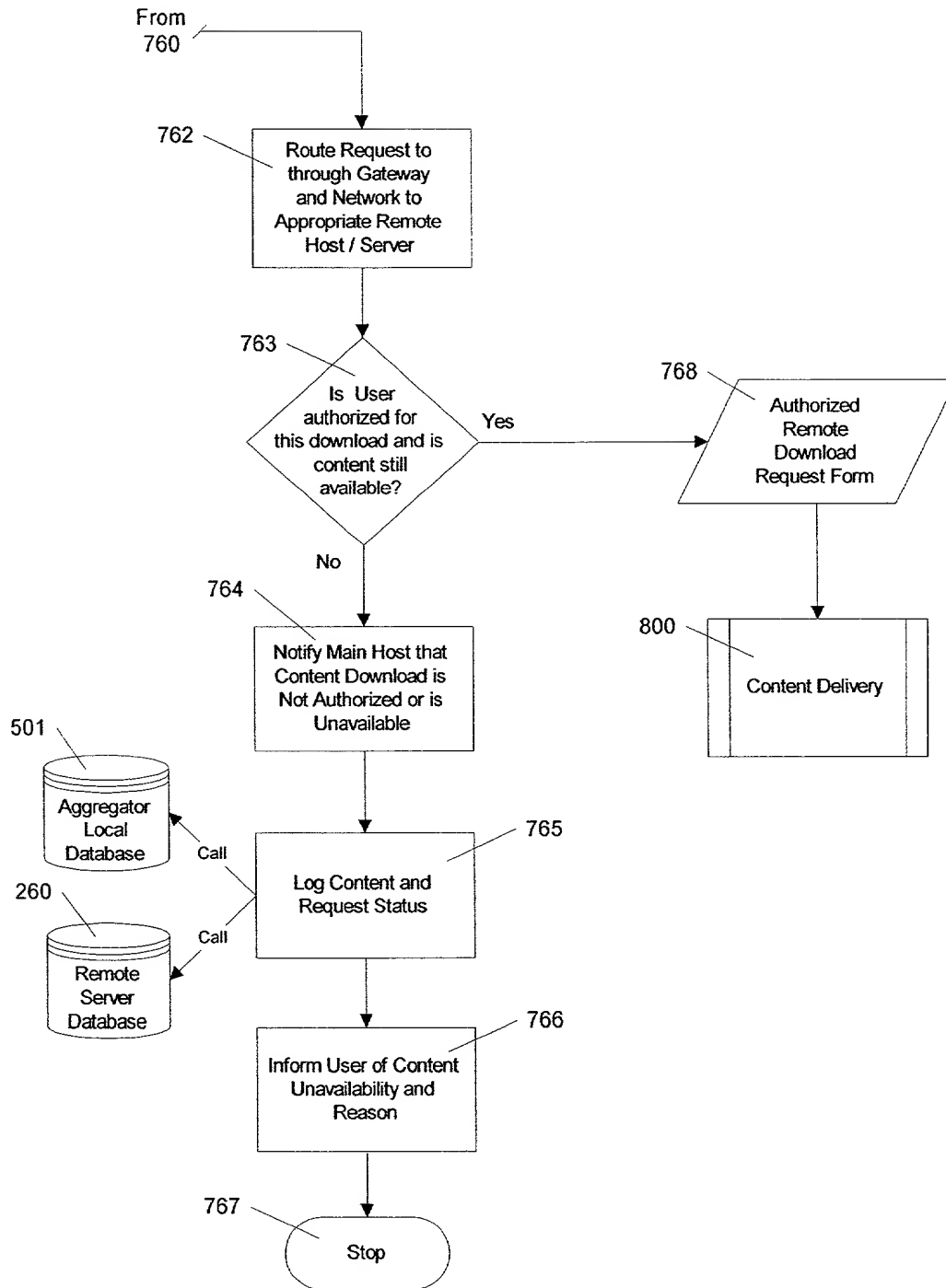
**Figure 15b**



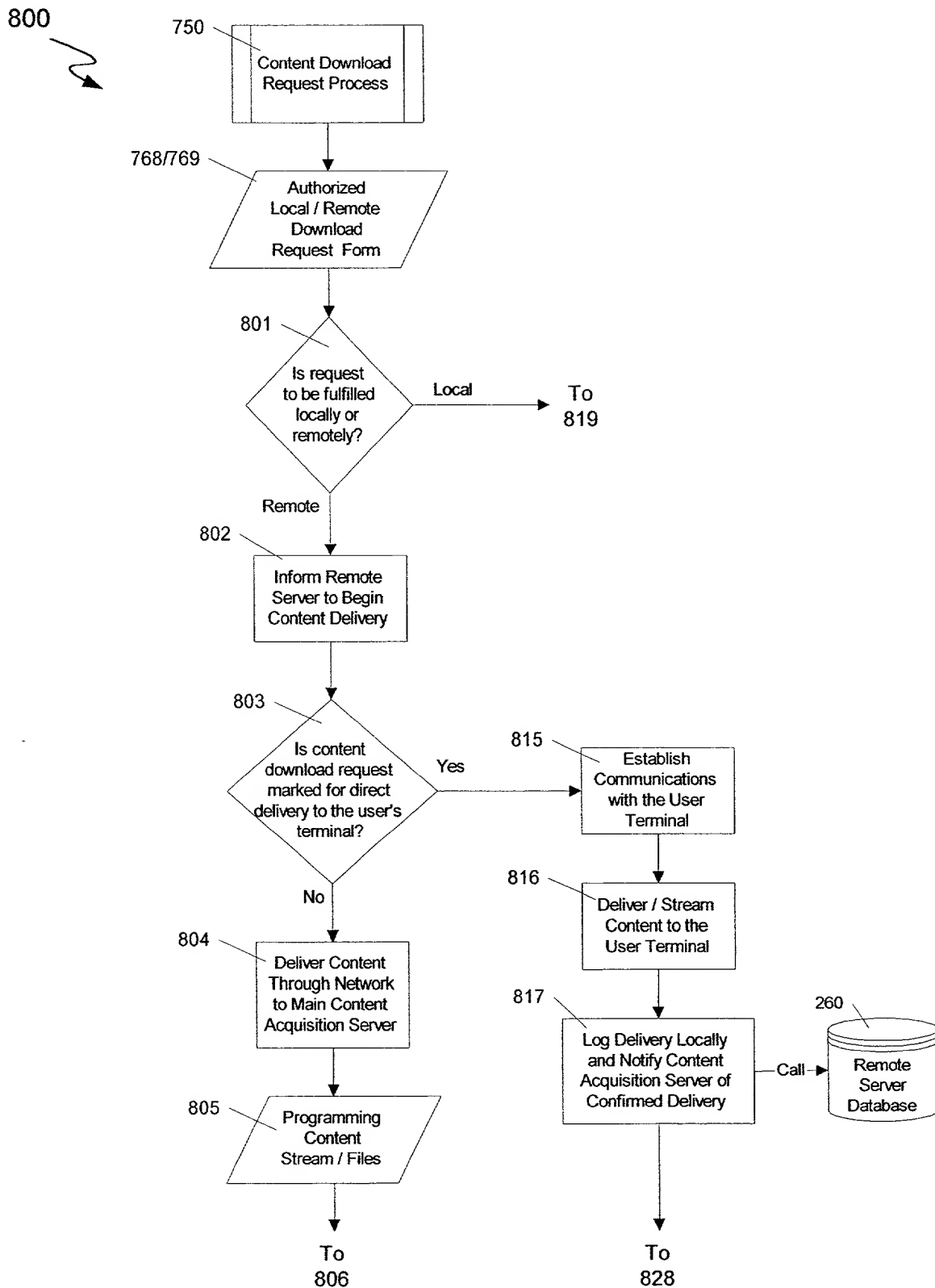
**Figure 16a**



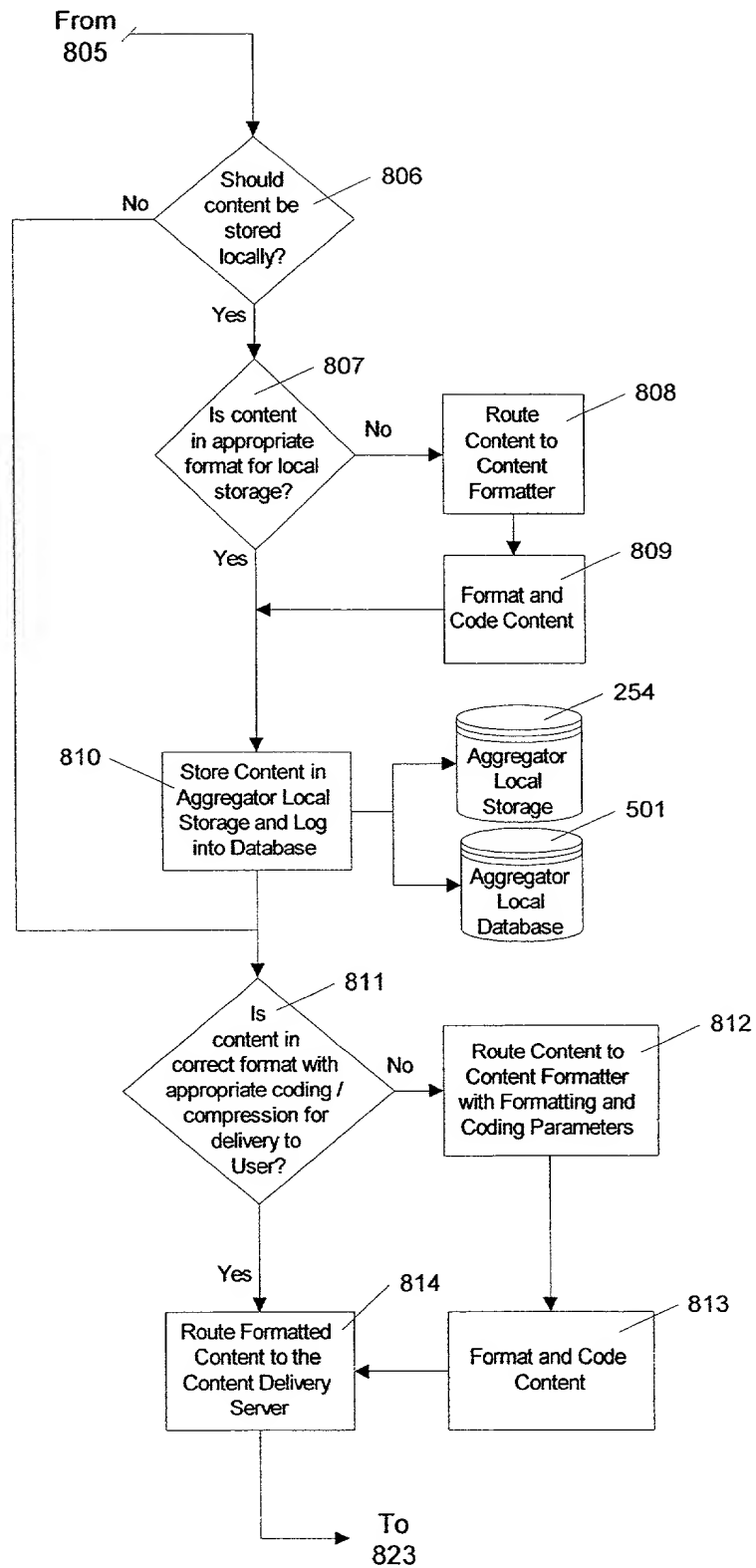
**Figure 16b**



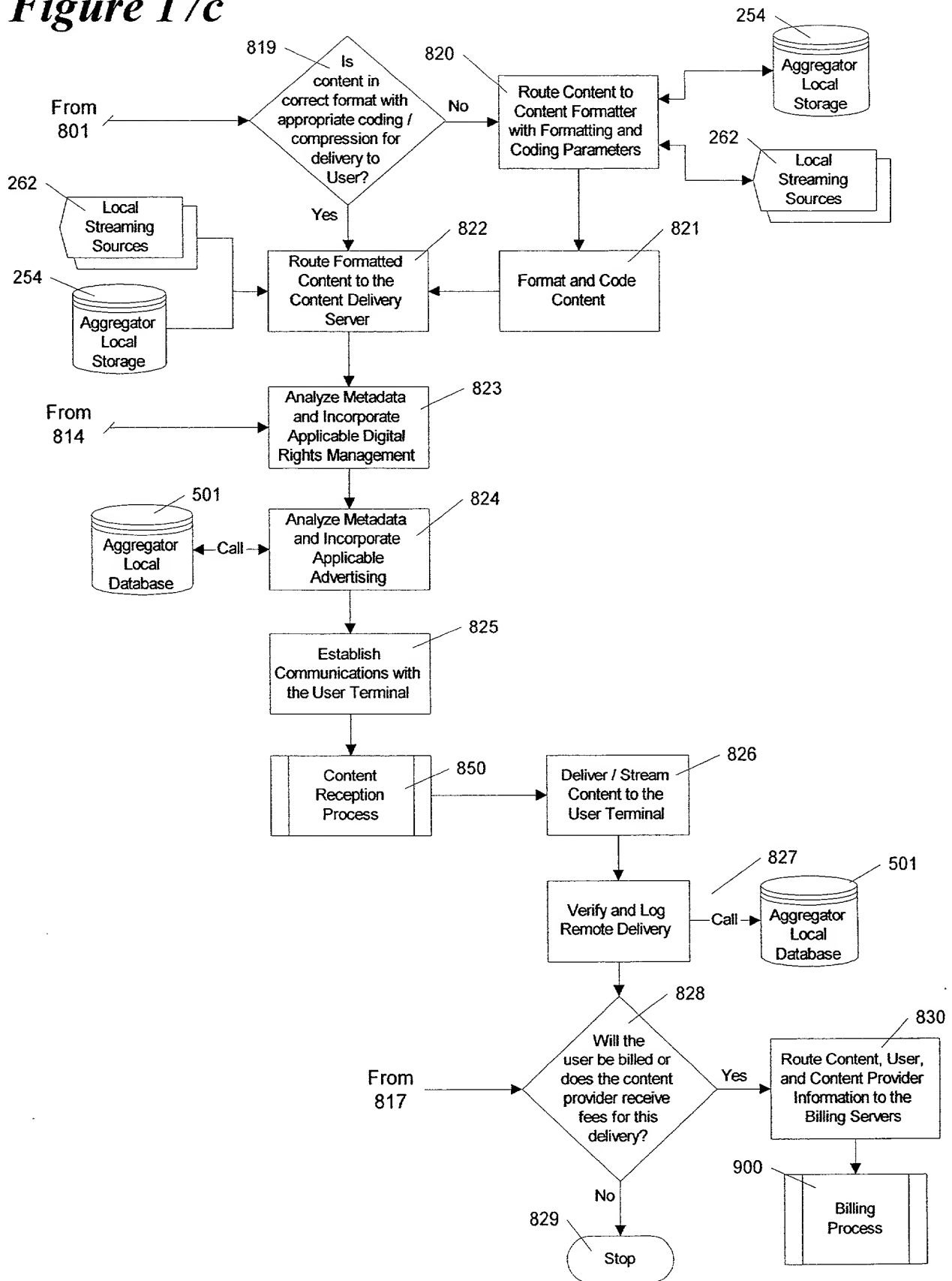
**Figure 17a**



**Figure 17b**



**Figure 17c**



## *Figure 18a*

### Search Request Form

- User Identification and Authorization Information
  - Account administrator User Identification
  - Current user's User Identification
  - Account's wide area distribution network address
  - Account authorization code
  - Account password
  - Current user password
  - Account public encryption key
  - Restrictions or controls placed on current user by account administrator
  - Digital rights management parameters
  - Preferred content format information
  - Current hardware configuration
  - Reserved for future use
- User Administration and Billing Information
  - Updated account user information
    - User ID added to or deleted from account
    - Password changes
    - Changes to user terminal equipment
    - Reserved for future use
  - Updated account billing information
    - Updated bank or credit card information for billing
    - Selection of different service level or package
    - Reserved for future use
  - Privacy preferences
    - List of data elements to be updated or added to account's historical database file
    - List of data elements to be removed or erased from historical file
    - General user historical data usage parameters
    - Reserved for future use
  - Reserved for future use



## *Figure 18b*

### Search Request Form (cont'd)

- Search Request Qualification
  - Search request initiation time
  - List of search request content types (video, audio, software, text, ebook, etc.)
  - Search request time limit (leave open, one time only, active for specified amount of time)
  - Does user want suggested content search and results returned? (yes / no)
  - Does user want search parameters to be stored in user profile for future reference by user or aggregator system
  - Reserved for future use
- Search Request Criteria
  - Content Type: Audio / Video Programming
    - Program Type
    - Program title
    - Title keywords
    - Genre
    - Program topic or subject
    - Program description keywords
    - Format
    - Source
    - Language
    - Geographical origin
    - Cast
    - Director
    - Setting
    - Request for critical review information
    - Request for user rating and download popularity
    - Date and time parameters
    - Preferred content provider list
    - Free form user input
  - Reserved for future use

## *Figure 18c*

### Search Request Form (cont'd)

- Search Request Criteria (cont'd)
  - Content Type: Computer Software
    - Program Type
    - Program title
    - Title keywords
    - Software category
    - Description keywords
    - Format and operating system
    - Source
    - Request for critical review information
    - Request for user rating and download popularity
    - Preferred content provider list
    - Free form user input
    - Reserved for future use
  - Content Type: Text / Electronic Books
    - Book or text type
    - Title
    - Title keywords
    - Author
    - Genre
    - Topic or subject
    - Publisher
    - Description keywords
    - Format
    - Language
    - Geographical origin
    - Setting
    - Request for critical review information
    - Request for user rating and download popularity
    - Preferred content provider list
    - Free form user input
    - Reserved for future use
  - Reserved for future use

*Figure 19a*

## Search Results Form

- User Identification and Authorization Information
  - Account administrator User Identification
  - Current user's User Identification
  - Account's wide area distribution network address
  - Account authorization code
  - Account password
  - Current user password
  - Account public encryption key
  - Search request form reference identification and timestamp
  - Reserved for future use
- Advertising Information
  - List of ads to be inserted in results GUI
  - Location of ads to be inserted
  - Digital files of ads that are not yet stored in user's terminal
  - Reserved for future use

## Figure 19b

### Search Results Form (cont'd)

- Search Results Information
  - Number of user search result entries returned
  - Number of suggested search results entries returned
  - Duration of search
  - Number of sites, channels, records, and keywords searched
  - Reserved for future use
- Search Result Entries (each entry contains the following)
  - Identification as a result of User or Suggested search criteria
  - Content Type: Audio / Video Programming, software, ebooks, etc.
  - Content Metadata
    - Type, title, genre, topic or subject, description, format, language, geographical origin, cast, director, author, publisher, copyright data, story setting, date, critical review information, user ratings and download statistics, etc.
  - Program schedule and availability information
  - Source information (cable channel, website, software company, e-commerce fulfillment provider, ebook seller, etc.)
  - Digital content format and coding information
  - Delivery options
  - Programming content duration, file size, download time, etc.
  - Digital Rights Management information (user rights, allowances, restrictions, tracking data, etc)
  - Billing information, fees, etc.
  - Information required to initiate download request
    - Source routing data
    - Storage location
    - Streaming information, identification
    - Download authorization code (or authentication data to obtain download authorization at time of download request)
    - Reserved for future use
  - Reserved for future use